

CLAIMS

What is claimed is:

- 5 1. A method for determining, storing and utilizing operating mode data of a user terminal in a telecommunication system in which a selected one of a plurality of user terminal operating modes is settable by the user, comprising the steps of:
- selectively changing, by the user, the user terminal operating mode from a first operating mode to a second operating mode of the user terminal;
- 10 transmitting from the user terminal to a telecommunication server of the telecommunication system, via the telecommunication network, information regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode; and
- storing, on the telecommunication server, the transmitted information
- 15 regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode so as to dynamically maintain on the telecommunication server current operating mode data of the user terminal.
- 20 2. A method in accordance with claim 1, further comprising the step of providing, at the telecommunication server, the current operating mode data of the user terminal in a user-specific form browsable by other users.

3. A method in accordance with claim 2, wherein the user-specific form browsable by other users is divided into plural visibility levels.

4. A method in accordance with claim 2 in which a connection to the user terminal is to be established by a calling party, further comprising the steps of:
checking, by the calling party prior to attempting a connection to the user terminal, the browsable current operating mode data provided at the telecommunication server to determine the current operating mode of the user terminal; and
after said checking of the current operating mode data, determining by the calling party whether to establish a connection to the user terminal.

5. A method in accordance with claim 1, further comprising the step of delivering, from the telecommunication server to other users, the current operating mode data of the user terminal in a user-specific form browsable by the other users.

6. A method in accordance with claim 5, further comprising the step of limiting the other users to which the current operating mode data of the user terminal is delivered from the telecommunication server.

7. A method in accordance with claim 2, further comprising the step of limiting the other users by which the current operating mode data of the user terminal is browsable.

8. A method in accordance with claim 1, wherein said step of storing on the telecommunication server further comprises storing on the telecommunication server at least one of an identity of the user, an identity of the user terminal, an other terminal through which the user can be reached at an other time, terminal setting data for reaching the user, a type of telecommunication connection available for reaching the user, an IP address of the user terminal, and location data of the user terminal.

9. A method in accordance with claim 1, wherein said step of transmitting comprises automatically transmitting from the user terminal to a telecommunication server of the telecommunication system, via the telecommunication network and without other action by the user, information regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode when the operating mode of the user terminal is selectively changed by the user.

10. A method in accordance with claim 1, wherein said step of transmitting comprises manually, by the user, transmitting from the user terminal to a telecommunication server of the telecommunication system, via the telecommunication network, information regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode.

11. A method in accordance with claim 1, further comprising the steps
of:

sending, from the telecommunication server to the user terminal, in
response to receipt by the telecommunication server of the information regarding the
5 selective change in user terminal operating mode from the first operating mode to the
second operating mode, and based on said received information, data relating to
modifications to an operating environment of the user terminal; and

modifying the user terminal operating environment for consistency with the
operating environment modification data received by the user terminal from the
10 telecommunication server.

12. A method in accordance with claim 11, further comprising the step
of modifying one of applications and a user interface of the user terminal in accordance
with the modification data received by the user terminal from the telecommunication
15 server.

13. A method in accordance with claim 1, further comprising the step of
utilizing the user terminal current operating mode data for directing one of advertising
and services to the user terminal

20

14. A method in accordance with claim 1, further comprising the steps
of:

transmitting in conjunction with the information regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode, from the user terminal to the telecommunication server via the telecommunication network, identity data identifying one of the user and the user
5 terminal;

altering, in the telecommunication server based on the received identity data, a user reachability chain associated with user reachability management for consistency with the transmitted information regarding the selective change in user terminal operating mode; and

10 modifying call control for the user in accordance with the altered user reachability chain.

15 15. A method in accordance with claim 14, wherein the user reachability chain is defined in a user-specific reachability profile.

16. A method in accordance with claim 15, wherein the user-specific reachability profile is changeable via a WWW user interface.

20 17. A method in accordance with claim 1, wherein the user terminal is mobile station of the user.

18. A method in accordance with claim 1, wherein the information regarding the selective change in user terminal operating mode from the first operating mode to the second operating mode is transmitted from the user terminal to the telecommunication server as one of an SMS message and a WAP message.

5

19. A system for determining, storing and utilizing operating mode data of a terminal in a telecommunication system, comprising:

a telecommunication network;

a user terminal operable for communicating with the telecommunication

10 network; and

a telecommunication server connected to the telecommunication network for dynamically maintaining active operating mode data of the user terminal.

20. A system in accordance with claim 19, further comprising at least one memorandum containing information relating to at least one of terminals connected to the telecommunication network and users of the connected terminals.

21. A system in accordance with claim 19, further comprising an application server connected to the telecommunication server for storing settings of applications and operations associated with different operating modes of the user terminal and for transmitting, to the user terminal, applications and operations settings required by the terminal for each of the different operating modes of the user terminal.

20

22. A system in accordance with claim 19, wherein said telecommunication server comprises at least one user-specific reachability profile defining a reachability chain.

5

23. A system in accordance with claim 22, further comprising a call control system connected to the telecommunication server for controlling call setup in accordance with a selected reachability chain.

10 24. A system in accordance with claim 23, wherein said call control system comprises an intelligent network.

25. A system in accordance with claim 19, wherein said user terminal comprises a mobile station.

15